

1	TTACCAGAACAGCATAACAAGGGCAGGTCTGACTGCAAGCTGGGACTGGGAGGCAGAGCC	60
61	GCCGCCAAGGGGGCCTCGGTAAACACTGGTTCATTACCTGCAAGACGAAGAGGCA	120
121	AGGATGCTGTTGGCCTGGGTACAAGCATTCTCGTCAGCAACATGCTCCTAGCAGAAGCC	180
1	<u>M L L A W V Q A F L V S N M L L A E A</u>	19
181	TATGGATCTGGAGGCTGTTTCTGGGACAACGGCCACCTGTACCGGGAGGACCAGACCTCC	240
20	<u>Y G</u> S G G C F W D N G H L Y R E D Q T S	39
241	CCCGCGCCGGGCTCCGCTGCCTCAACTGGCTGGACGCGCAGAGCGGGCTGGCCTCGGCC	300
40	P A P G L R C L N W L D A Q S G L A S A	59
301	CCCGTGTGCGGGGCCGCAATCACAGTTACTGCCGAAACCCGGACGAGGACCCGCGCGGG	360
60	P V S G A G N H S Y C R N P D E D P R G	79
361	CCCTGGTGCTACGTCAAGTGGCGAGGCCGGCGTCCCTGAGAAACGGCCTTGCGAGGACCTG	420
80	P W C Y V S G E A G V P E K R P C E D L	99
421	CGCTGTCCAGAGACCACCTCCCAGGCCCTGCCAGCCTTCACGACAGAAATCCAGGAAGCG	480
100	R C P E T T S Q A L P A F T T E I Q E A	119
481	TCTGAAGGGCCAGGTGCAGATGAGGTGCAGGTGTTGCTCCTGCCAACGCCCTGCCCGCT	540
120	S E G P G A D E V Q V F A P A N A L P A	139
541	CGGAGTGAGGCGGCAGCTGTGCAGCCAGTGATTGGGATCAGCCAGCGGGTGCGGATGAAC	600
140	R S E A A A V Q P V I G I S Q R V R M N	159
601	TCCAAGGAGAAAAAGGACCTGGGAACCTCTGGGCTACGTGCTGGGCATTACCATGATGGTG	660
160	S K E K K D L G T L G Y V L G I T M M V	179
661	ATCATCATTGCCATCGGAGCTGGCATCATCTTGGGCTACTCCTACAAGAGGGGGAAGGAT	720
180	I I I A I G A G I I L G Y S Y K R G K D	199

FIG.1A

721	TTGAAAGAACAGCATGATCAGAAAGTATGTGAGAGGGAGATGCAGCGAATCACTCTGCCC	780
200	L K E Q H D Q K V C E R E M Q R I T L P	219
781	TTGTCTGCCTTCACCAACCCACCTGTGAGATTGTGGATGAGAAGACTGTCGTGGTCCAC	840
220	L S A F T N P T C E I V D E K T V V V H	239
841	ACCAGCCAGACTCCAGTTGACCCTCAGGAGGGCAGCACCCCTTATGGGCCAGGCCGGG	900
240	T S Q T P V D P Q E G S T P L M G Q A G	259
901	ACTCCTGGGGCCTGAGCCCCCAGTGGGCAGGAGCCCATGCAGACACTGGTGCAGGACA	960
260	T P G A *	263
961	GCCCACCCTCCTACAGCTAGGAGGAACCTACCACTTTGTGTTCTGGTTAAACCTACCAC	1020
1021	TCCCCGCTTTTTTGGCGAATCCTAGTAAGAGTGACAGAAGCAGGTGGCCCTGTGGGCTG	1080
1081	AGGGTAAGGCTGGGTAGGGTCCTAACAGTGCTCCTTGTCATCCCTTGGAGCAGATTTTG	1140
1141	TCTGTGGATGGAGACAGTGGCAGCTCCACAGTGATGCTGCTGCTAAGGGCTTCCAAACA	1200
1201	TTGCCTGCACCCCTGGAACGAACCAGGGATAGACGGGGAGCTCCCCAGGCTCCTCTGT	1260
1261	GCTTTACTAAGATGGCTCAGTCTCCACTGTGGGCTTGAGTGGCATACACTGTTATTCATG	1320
1321	GTTAAGGTAAAGCAGGTCAAGGGATGGCATTGAAAAAATATATTTAGTTTTTAAATATT	1380
1381	TGGGATGGAACCTCCCTACTGACCTCTGACAACTGGAACGAGTTTGTACTGAAGTCAGAA	1440
1441	CTTTGGGTGGGAATGAGATCTAGGTTGTGGCTGCTGGTATGCTTCAGCTTGCTGGCAAT	1500
1501	GATGTGCCTTGACAACCGTGGGCCAGGCCTGGGCCAGGGACTCTTCCTGTTTCATAAGG	1560

FIG.1B

1561 AAAGGAAGAATTGCACTGAGCATTCCACTTAGGAAGAGGATAGAGAAGGATCTGCTCCGC 1620

1621 CTTTGGCCACAGGAGCAGAGGCAGACCTGGGATGCCCCAGTTTCTTTCAGGGATGGATA 1680

1681 GTGACCTGTCTTCATTTTGACAGGTAAGAGAGTAGTTAGCTAACCTATGGGAATTATAC 1740

1741 TGTGGGGCCTTGTGAGCTGCTTCTAAGAGGCTAACCTGGAACTAAGCTCAGAGGCAAGG 1800

1801 TAATAAAGCACTTCAGGGCTTGCTCCCCAAGTGGGCCTGATTTAGCAGGTGGTCTGCGGG 1860

1861 CGTCCAGGTCAGCACCTTCCTGTAGGGCACTGGGGCTAGGGTCACAGCCCCTAACTCATA 1920

1921 AAGCAATCAAGAACCATTAGAAAGGGCTCATTAAGCCTTTTGGACACAGGACCCCAGAG 1980

1981 AGGAAAAAGTGACTTGCCCAAGGTCGTAAGCAAGCTACTGGCATGGCAAGAGCCCAGCTT 2040

2041 CCTGACGGAGCGCAACATTTCTCCACTGCACTGTGCTAGCAGCTCAGCAGGGCCTCTAAC 2100

2101 CTGTGATGTCACACTCAAGAGGCCTTGGCAGCTCCTAGCCATAGAGCTTCCTTTCCAGAA 2160

2161 CCCTTCCACTGCCCAATGTGGAGACAGGGGTTAGTGGGGCTTTCTATGGAGCCATCTGCT 2220

2221 TTGGGGACCTAGACCTCAGGTGGTCTCTTGGTGTAGTGATGCTGGAGAAGAGAATATTA 2280

2281 CTGGTTTCTACTTTTCTATAAAGGCATTTCTCTATAAAAAAAAAAAAAA 2329

FIG.1C

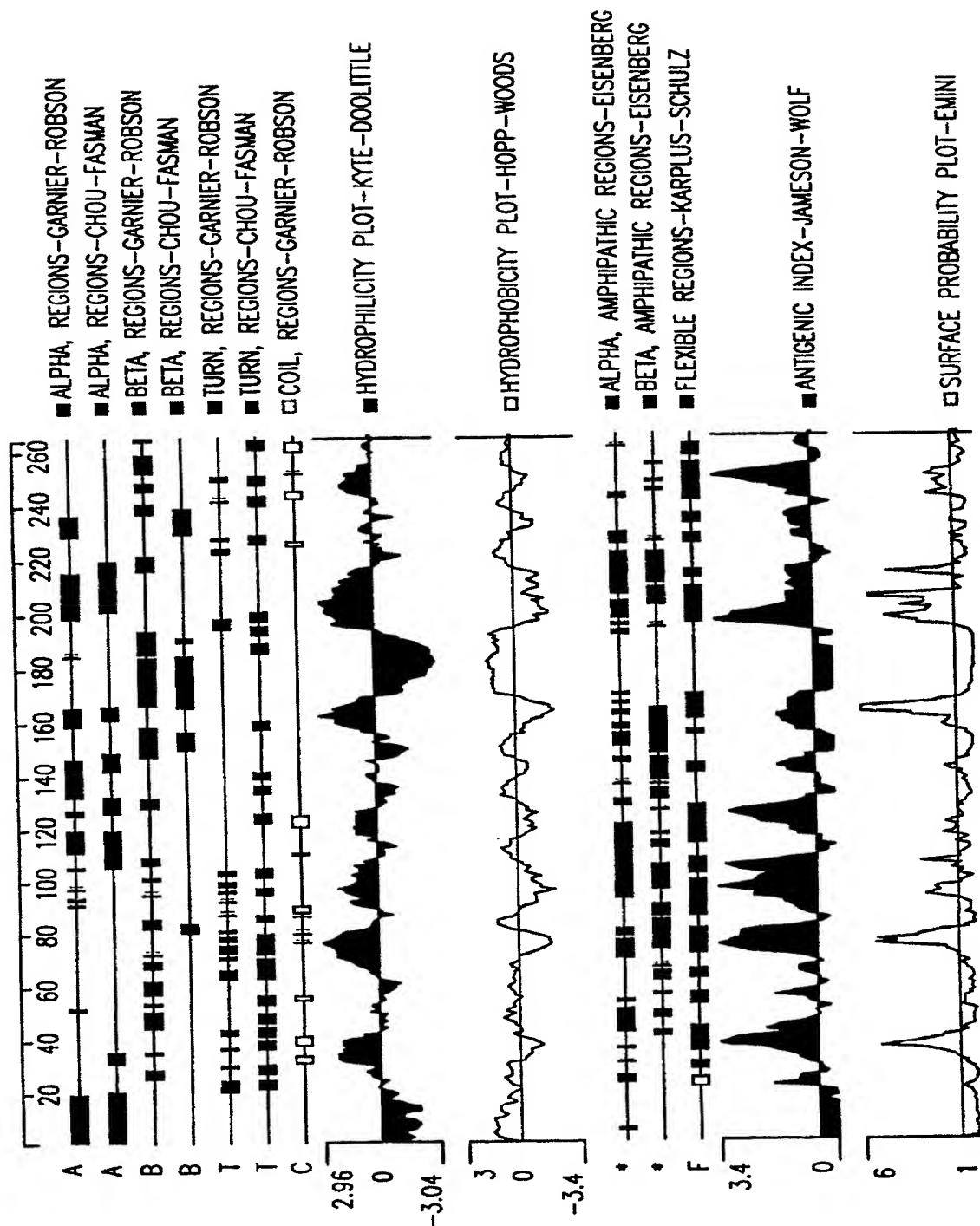


FIG.3

TUMOR GROWTH OF t-PALP PROTEIN TRANSFECTANTS ON CAM

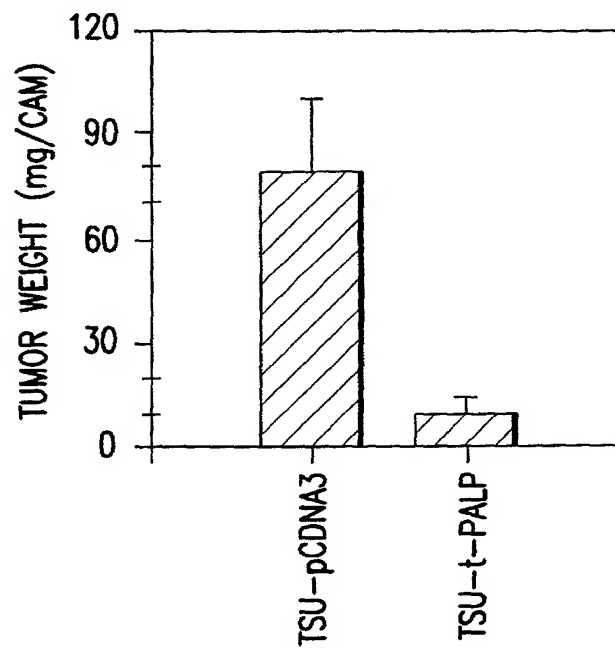


FIG.4

EFFECT OF CM FROM t-PALP TRANSFECTANTS
ON ENDOTHELIAL CELLS

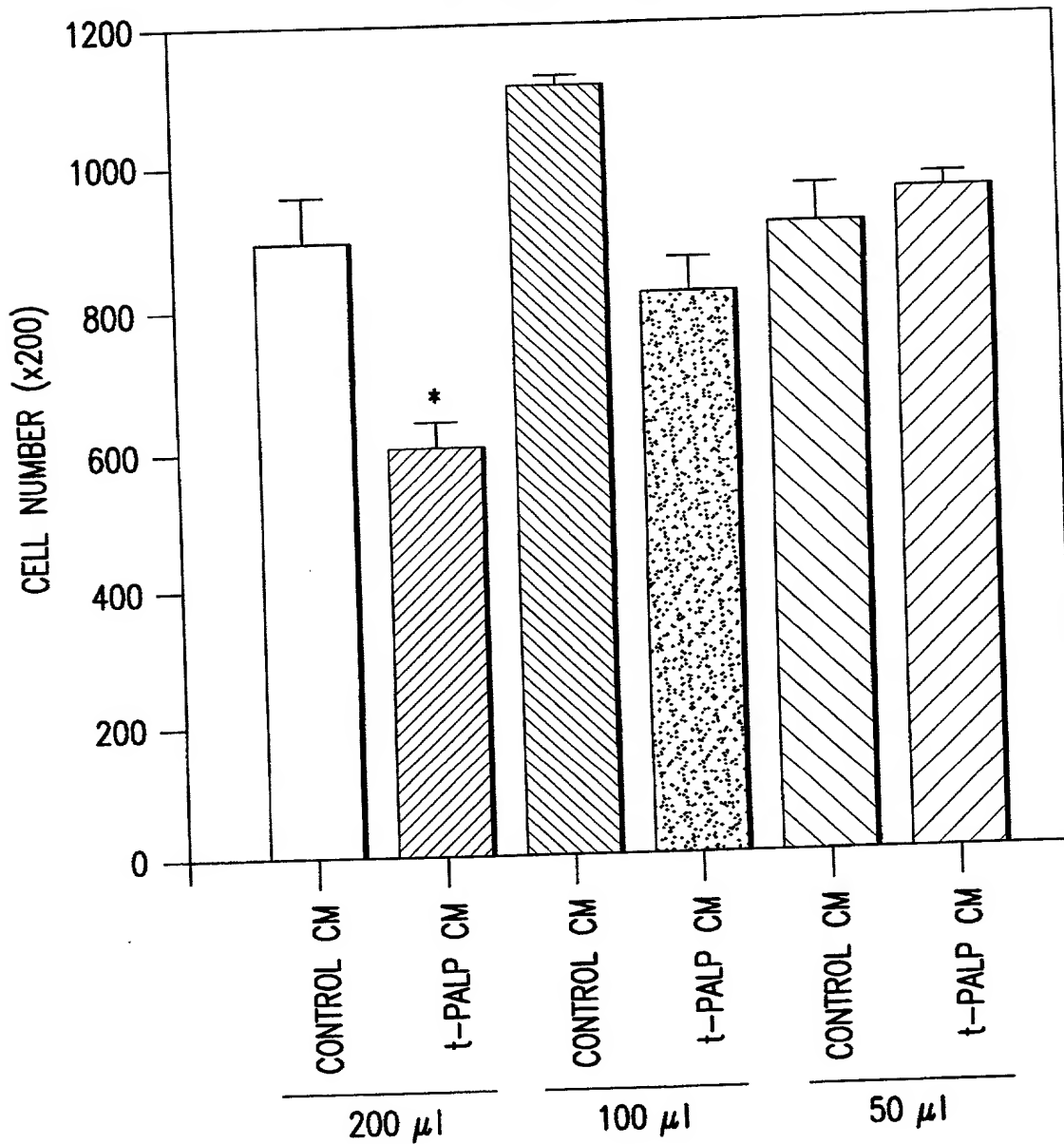


FIG.5

TUMOR GROWTH CURVE OF TSU CELLS TRANSFECTED WITH
cDNA OF THE t-PALP PROTEIN

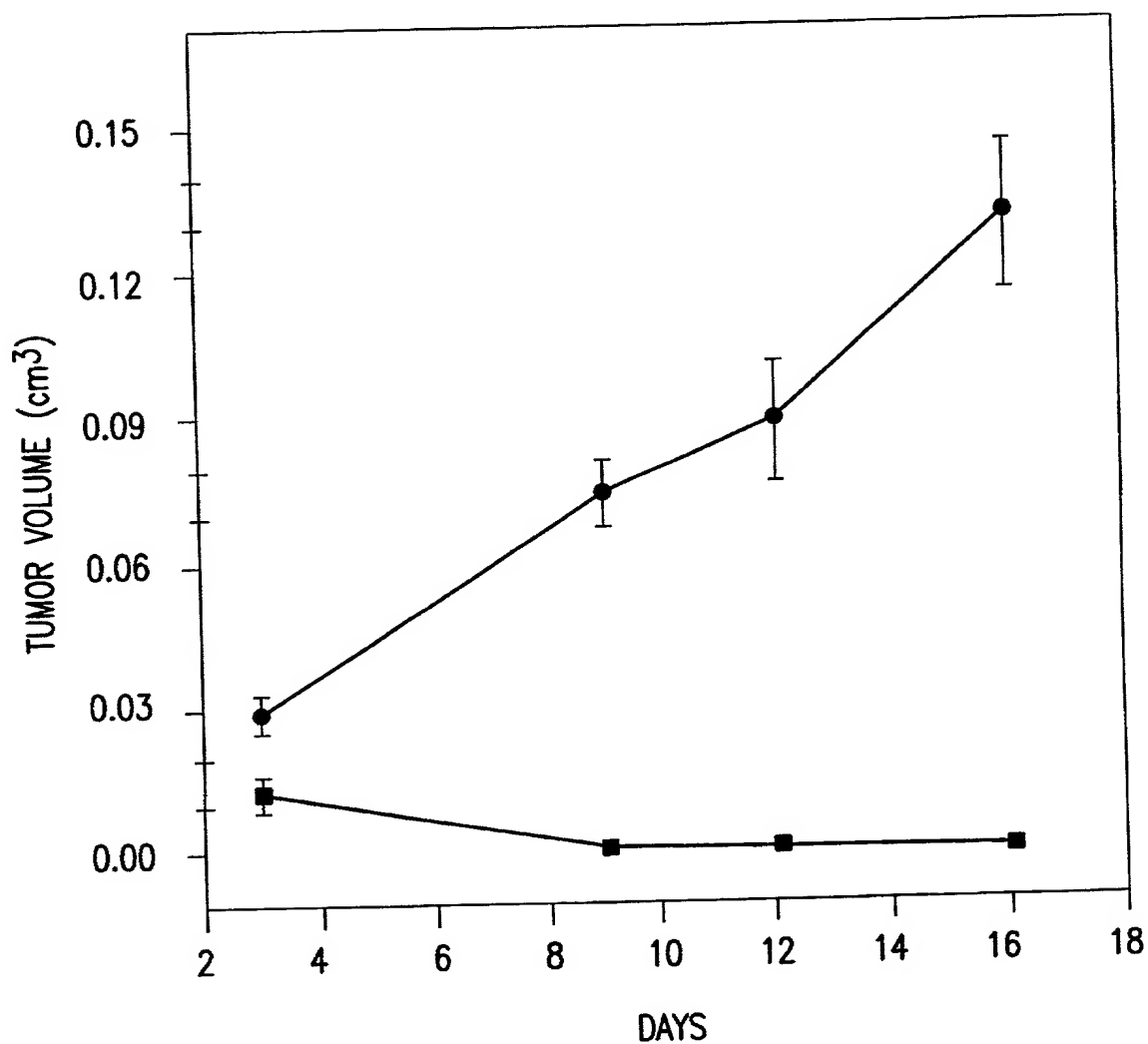


FIG.6